

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

S-75A

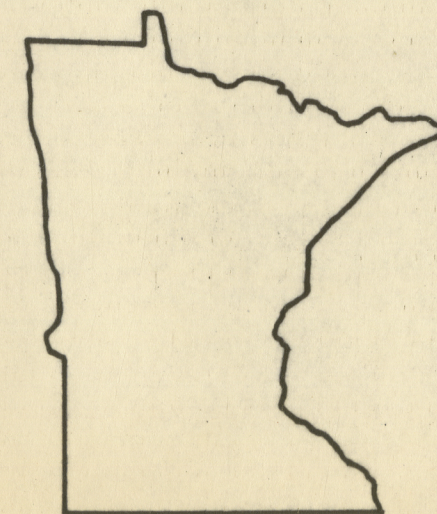
TH 49

TH 110 to TH 35E

S.P. 1917, 6223-07

MAY, 1974

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

DEPARTMENT HIGHWAY - Statewide Planning
Rm. 807 - Ext. 3158

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: May 21, 1974

FROM : Morris, Gildemeister, Chief
Statewide Planning Section

SUBJECT: T.H. 49, T.H. 110 to T.H. 35E, S.P. 1917, 6223-07
System Planning and Analysis Report S-75A

K. K. McRae requested this report showing location of project on page 2, 1985 ADT on page 3, heavy commercial on page 4-7.

Segment 26 with 1985 one-way ADT of 10100 has a 1972 one-way ADT of 6280 vehicles. Factor to expand 1985 ADT to 1995 ADT is 1.20.

The 1985 ADT is presented in SPAR M-87. The total heavy commercial volumes are based on System 14 truck study. Vehicle type distributions are based on vehicle classification counts recorded in the area.

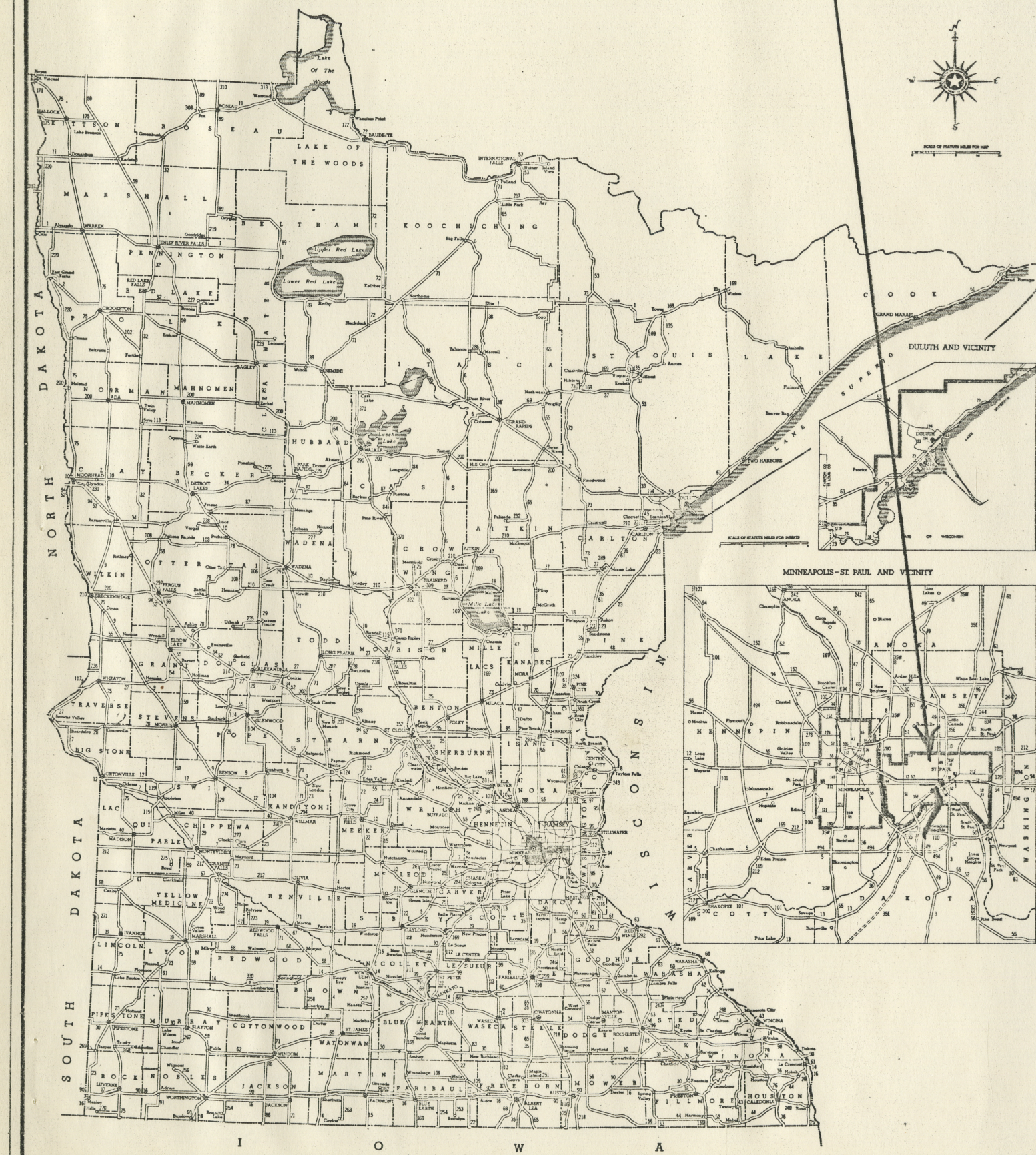
Morris Gildemeister

Morris Gildemeister, Chief
Statewide Planning Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
S.P. 1917, 6223-07



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 4

FOR

T.H. 49 S.P. 1917, 6223-07 LENGTH - MILESCOUNTY Dakota - Ramsey LOCATION T.H. 110 to T.H. 35E

BASED ON

1985
1995

ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	3822	2385	669	20628	17528	1861	477	3106	3500	4635	4241
1	98	62	17	878	767	78	12	109	123	163	149
2	23	18	4	170	136	23	3	27	14	19	32
3	10	4	2	54	47	6	1	11	9	11	13
4	12	7	2	69	57	9	2	14	5	7	16
5	13	10	2	107	89	12	2	15	8	11	18
6	22	14	4	94	76	11	3	18	41	54	31
TOTAL ADT	4000	2500	700	22000	18700	2000	500	3300	3700	4900	4500
TOTAL H. COMM. ADT	178	115	31	1372	1172	139	23	194	200	265	259
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 4

FOR

T.H. 49 S.P. 1917, 6223-07 LENGTH - MILESCOUNTY Dakota - Ramsey LOCATION T.H. 110 to T.H. 35E

BASED ON

1985
1995

ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	3012	6313	1767	4546	4825	4048	2672	2739	1724	7971	1321
1	122	233	91	142	156	160	77	101	45	249	50
2	8	38	6	32	33	25	12	16	7	48	3
3	6	17	4	13	14	12	6	8	4	22	2
4	4	18	3	15	15	9	5	6	3	21	2
5	6	22	4	18	19	8	4	5	2	23	2
6	42	59	25	34	38	38	24	25	15	66	20
TOTAL ADT	3200	6700	1900	4800	5100	4300	2800	2900	1800	8400	1400
TOTAL H. COMM. ADT	188	387	133	254	275	252	128	161	76	429	79
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

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TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985
1995 PART 3 OF 4

FOR

T.H. 49 S.P. 1917, 6223-07 LENGTH - MILESCOUNTY Dakota-Ramsey LOCATION T.H. 110 to T.H. 35E

BASED ON

1985
1995

ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	2370	3789	8925	9588	4089	5879	2189	5592	2869	2471	6679
1	83	134	278	301	106	205	57	198	74	37	145
2	5	9	50	52	34	22	18	20	13	12	30
3	4	6	24	25	10	15	5	14	7	10	22
4	2	4	21	22	14	8	7	7	5	10	20
5	4	6	25	26	15	13	8	13	10	43	56
6	32	52	77	86	32	58	16	56	22	17	48
TOTAL ADT	2500	4000	9400	10100	4300	6200	2300	5900	3000	2600	7000
TOTAL H. COMM. ADT	130	211	475	512	211	321	111	308	131	129	321
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

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 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985
1995 PART 4 OF 4

FOR

T.H. 49 S.P. 1917, 6223-07 LENGTH - MILESCOUNTY Dakota-Ramsey LOCATION T.H. 110 to T.H. 35E

BASED ON

1985
1995

ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 34 THROUGH 42 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	34	35	36	37	38	39	40	41	42		
0	1910	4442	29933	3503	1609	2457	2840	29270	31164		
1	49	168	842	132	61	93	107	817	888		
2	10	16	357	9	4	9	7	355	360		
3	6	12	123	9	4	7	7	121	126		
4	6	7	122	3	2	4	3	122	123		
5	5	8	366	7	3	4	6	365	369		
6	14	47	157	37	17	26	30	150	170		
TOTAL ADT	2000	4700	31900	3700	1700	2600	3000	31200	33200		
TOTAL H. COMM. ADT	90	258	1967	197	91	143	160	1930	2036		
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

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